

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): C. David Capps

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Assignee: The Boeing Company

Title: OPTICAL BEAM STEERING USING SMALL ANGLE BEAM  
STEERING DEVICE

Serial No.: 10/021,185

Filing Date: December 7, 2001

Examiner: Alicia M. Harrington

Group Art Unit: 2873

Docket No.: M-15660 US

COMMISSIONER FOR PATENTS

P.O. Box 1450

Alexandria, VA 22313-1450

**POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST**

Sir:

The above-identified assignee, hereby revokes all powers of attorney previously given and appoints the attorney(s) and/or agent(s) identified below to prosecute the above-identified application and to transact all business in the United States Patent and Trademark Office in connection therewith:

**Customer No. 32605**

Please address all correspondence and telephone calls regarding this application to:

Greg J. Michelson  
MacPherson Kwok Chen & Heid LLP  
1762 Technology Drive  
Suite 226  
San Jose, CA 95110  
Tel.: (949) 752-7040  
Fax: (408) 392-9262

**ASSIGNEE CERTIFICATION UNDER 37 CFR 3.73(B)**

The undersigned representative of the above-identified assignee certifies that the above-identified assignee is the assignee of the entire right, title and interest in the above-identified patent application/patent by virtue of a chain of title from the inventor(s) of the above-identified patent application/patent to the above-identified assignee as shown below:


1. From: C. David Capps To: The Boeing Company

☒ The document was recorded in the United States Patent and Trademark Office at Reel 012709 Frame 0630. A copy of the document is attached.

☐ The document was submitted to the Patent and Trademark Office for recordation on \_\_\_\_\_. A copy of the document is attached.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the above-identified assignee.

Date: 10/29/04

By:   
(Signature)

Name: Terje Gudmestad  
(Printed or Typed Name)

Title: Counsel, The Boeing Company



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
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Washington, D.C. 20231



97-12  
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MAY 20, 2002

PTAS

BOEING MANAGEMENT COMPANY  
JOHN R. RAFTER  
15460 LAGUNA CANYON ROAD  
IRVINE, CA 92618



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UNITED STATES PATENT AND TRADEMARK OFFICE  
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THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 12/19/2001

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NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

CAPPS, C. DAVID

DOC DATE: 11/26/2001

ASSIGNEE:

THE BOEING COMPANY  
100 NORTH RIVERSIDE PLAZA  
CHICAGO, ILLINOIS 60606-1596

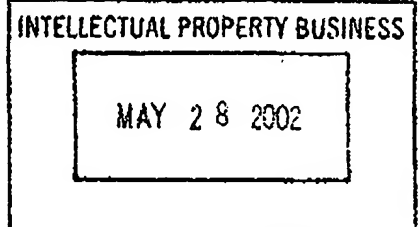
SERIAL NUMBER: 10021185

FILING DATE: 12/07/2001

PATENT NUMBER:

ISSUE DATE:

LAZENA MARTIN, EXAMINER  
ASSIGNMENT DIVISION  
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Form PTO-1595 (modified)

RE

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03-27-2002



To the Honorable Commissioner of Patents and Ti

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ments or copy thereof.

1. Name of the conveying party(ies):

C. DAVID CAPPS

3.12.02

2. Name and address of receiving party(ies)

Name: THE BOEING COMPANYStreet Address: 100 NORTH RIVERSIDE PLAZACity, State: CHICAGO, ILLINOIS Zip: 60606-1696

Additional name(s) of conveying parties attached? No

3. Nature of conveyance: ASSIGNMENTExecution Date: November 26, 2001

Additional name(s) &amp; address(es) attached? No

4. Application number(s) or patent number(s): Ref. Document ID No. : 101932470

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s):

Serial No.(s): 10/021185

B. Patent No.(s)

Additional numbers attached? No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: JOHN R. RAFTERInternal Address: Boeing Management CompanyStreet Address: 15460 Laguna Canyon RoadCity: Irvine State: CA Zip: 926186. Total number of applicns. and patents involved: 17. Total fee (37 CFR 3.41): \$40.008. Deposit account number: N/A

(Attach dup. copy of this page if paying by deposit account)

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FINANCE SECTION

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

LAWRENCE N. GINSBERG

Name of person signing

  
Signature3/4/02  
DateTotal number of pages including cover sheet, attachments, and document: 2Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents and Trademarks, Box Assignments  
Washington, D.C. 20231

## ASSIGNMENT

Assignment before issue of Letters Patent

File

97-122

WHEREAS, C. DAVID CAPPS

(hereinafter "Assignor") have invented certain new and useful improvements in

OPTICAL BEAM STEERING  
USING SMALL ANGLE BEAM  
STEERING DEVICE

(hereinafter "invention") for which Assignor is making or has made application for LETTERS PATENT OF  
THE UNITED STATES, which application has been duly executed by Assignor on even date herewith

AND WHEREAS, The Boeing Company, a corporation organized and existing under the laws of the State of  
Delaware, U.S.A., having a place of business at 100 North Riverside Plaza, Chicago, Illinois 60606-1596

U.S.A., hereinafter called the Assignee, is desirous of acquiring the entire right, title and interest in and to said invention  
within the United States of America and its territorial possessions and all foreign countries and any United States or foreign  
LETTERS PATENT that may be granted therefor.

NOW, THIS INDENTURE WITNESSETH, that for good and valuable considerations, the receipt whereof is  
hereby acknowledged, Assignor has assigned, sold and transferred, and does hereby assign, sell and transfer to the said  
Assignee the entire right, title and interest in and to the said invention, within the United States of America and its  
territorial possessions and all foreign countries and in and to any LETTERS PATENT of the United States and foreign  
countries, including utility models, inventor's certificates and like government grants, and all divisions, reissues,  
continuations and extensions thereof that may be granted therefor, and the right to apply for LETTERS PATENT in foreign  
countries with full benefit of such priorities as may now or hereafter be granted to Assignor by local laws or by treaty,  
including any international convention, for the protection of industrial property, together with the right to extend the  
protection of said U.S. LETTERS PATENT to the various territorial possessions now owned or which may be hereafter  
acquired by the United States of America, all said rights to be held and enjoyed by the Assignee for its own use and  
benefit, and for the use and benefit of its successors or assigns, to the full end of the term for which said LETTERS  
PATENT may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor if this  
assignment and sale had not been made. And Assignor does hereby request and authorize the Commissioner of Patents and  
Trademarks, U.S.A., to issue said U.S. LETTERS PATENT, when granted, in accordance with this assignment.

Assignor further covenants and agrees with the Assignee that Assignor has a full and unencumbered title to the  
invention hereby assigned, which title Assignor warrants unto the Assignee, and Assignor further agrees that Assignor will,  
without demanding any further consideration therefor, at the request but at the expense of the Assignee, do all lawful and  
just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining,  
sustaining, extending, reissuing or reexamining United States and foreign LETTERS PATENT or the like for the said  
invention, and for maintaining and perfecting the Assignee's right to said invention, and for maintaining and perfecting the  
Assignee's right to said invention and LETTERS PATENT particularly in cases of interference, conflict, opposition and  
litigation.

IN TESTIMONY WHEREOF, I have hereunto set my hand this

26 day of November, 2001

*C. David Capps*

C. DAVID CAPPS

IN TESTIMONY WHEREOF, I have hereunto set my hand this

day of , 20

IN TESTIMONY WHEREOF, I have hereunto set my hand this

day of , 20

#5/Reve  
ATTY  
ASNE  
11/22/04IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): C. David Capps  
Assignee: The Boeing Company  
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Fax No.: 1-703-872-9306

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November 2, 2004COMMISSIONER FOR PATENTS  
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Alexandria, VA 22313-1450**OFFICIAL COMMUNICATION****CERTIFICATION OF FACSIMILE TRANSMISSION**

I hereby certify that the following Power Of Attorney By Assignee Of Entire Interest (2 pages), Notice of Recordation of Assignment Document (1 page), Recordation Form (1 page) and Assignment Document (1 page) are being facsimile transmitted to the Patent and Trademark Office on the date shown below.

Dated: November 2, 2004

  
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& HEID LLP1762 TECHNOLOGY DRIVE  
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